



DO NOT ENTER: /J.V./

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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of)

SUGAHARA et al.)

Art Unit 2815)

Application Number: 10/522,241)

Filed: January 25, 2005)

For: A SPIN TRANSISTOR BASED ON THE SPIN-
FILTER EFFECT AND A NONVOLATILE MEMORY
USING SPIN TRANSISTORS)

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ATTORNEY DOCKET No. HIRA.0178)

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231**COVER LETTER**

Sir:

[x] The fee for submission of claims is calculated as shown below:

FOR	TOTAL WITH NEW CLAIMS ADDED	TOTAL CURRENTLY ON FILE	CLAIMS ALREADY PAID	RATE	CALCULATION
Total Claims	77	80	60 (Over 20)	x \$50	0
Independent Claims	11	11	18 (Over 3)	x \$210	0
MULTIPLE DEPENDENT CLAIM(S)				+ \$370	0
REDUCTION FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28). IF APPLICABLE, VERIFIED STATEMENT MUST BE ATTACHED				- x ½	
TOTAL					0.00

In addition, the below-identified communications are submitted in the above-captioned application or proceeding:

- [x] Response to Office Action
(with Claim Amendments)
[] Substitute Specification
[] Assignment
[] Letter to Draftsperson
(with ___ Replacement Sheets)

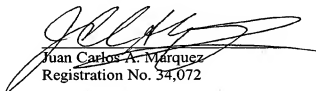
- [] Substitute Specification (clean and
marked-up version)
[] Statements & Pre-exam search report
with References
[] Information Disclosure Statement with
references



- ☐ Please charge my **Deposit Account Number** _____ in the amount of _____ to cover the fees for _____. A duplicate copy of this paper is enclosed.
- ☐ A check in the amount of \$_____ to cover the fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge any additional fees associated with this communication, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,

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March 4, 2008



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of

SUGAHARA et al.

Application Number: 10/522,241

Filed: October 5, 2005

For: A SPIN TRANSISTOR BASED ON THE SPIN-
FILTER EFFECT AND A NONVOLATILE MEMORY
USING SPIN TRANSISTORS

ATTORNEY DOCKET NO. HIRA.0178

Unit 2815

Examiner
Valentine, Jami M.

DO NOT ENTER: /J.V./

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE AND AMENDMENT UNDER 37 C.F.R. § 1.111

Sir:

This is in response to the Final Office Action mailed on December 4, 2007, the period of response to which is set to expire on March 4, 2008. Please amend the above-referenced application as follows: